

SGK	²⁵⁶ TTSTFCGTP ⁴²² EYLAPE.....FLGF ⁴²² SYAPP
PKB α	³⁰⁸ TMKTFCGTP ⁴⁷³ EYLAPE.....FPQF ⁴⁷³ SY ⁴⁷³ SAS
p70 S6K	²²⁹ VTH ³⁸⁹ TF ³⁸⁹ CGTIEYMAPE.....FLGF ³⁸⁹ TYVAP
PKC δ	⁵⁰⁷ RASTFCGTP ⁶⁶⁴ PDYIAPE.....FAGF ⁶⁶⁴ SV ⁶⁶⁴ VNP

Figure 1

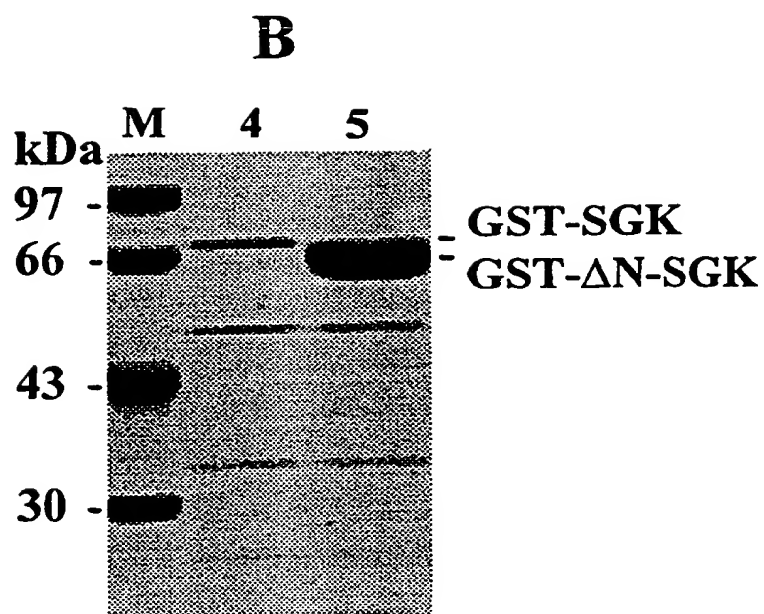
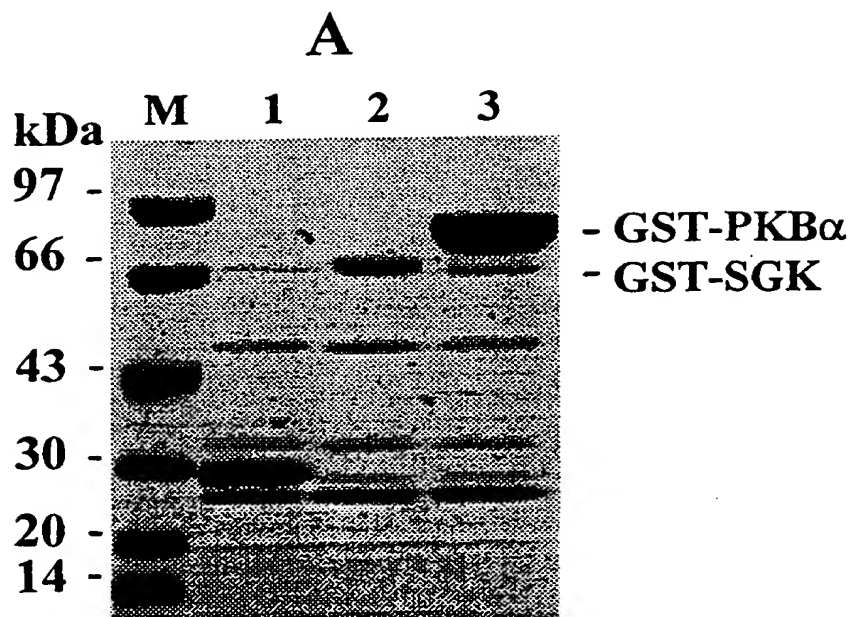


Fig. 2

3/20

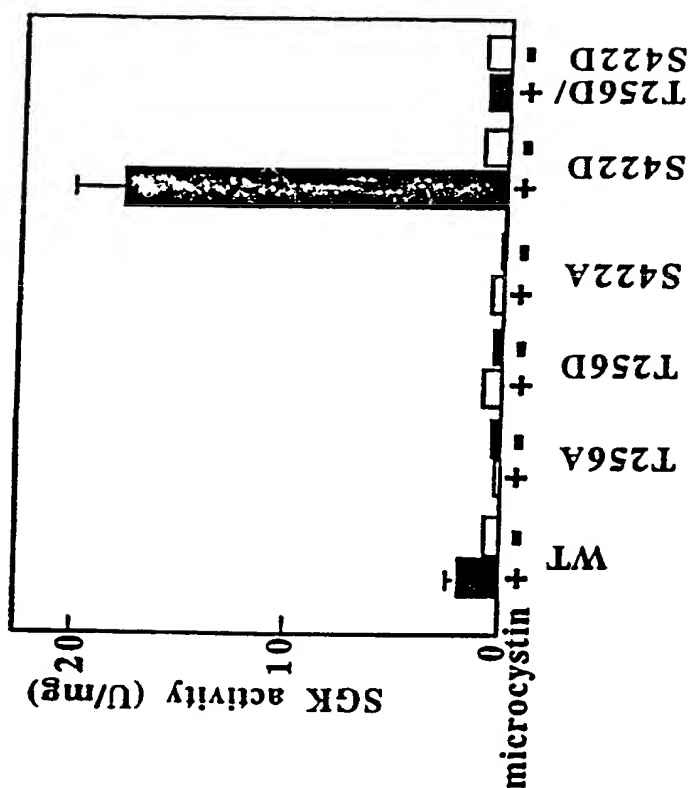
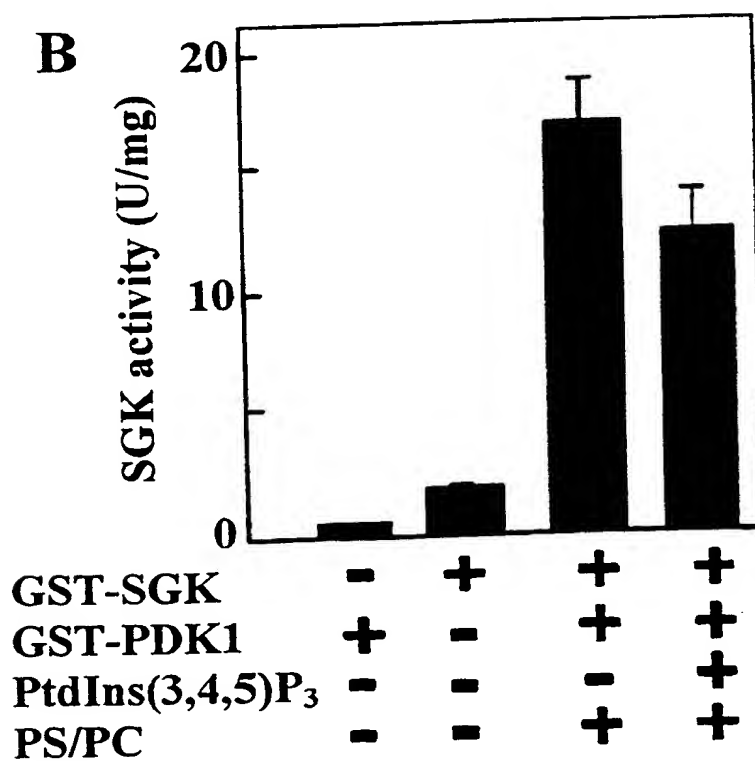
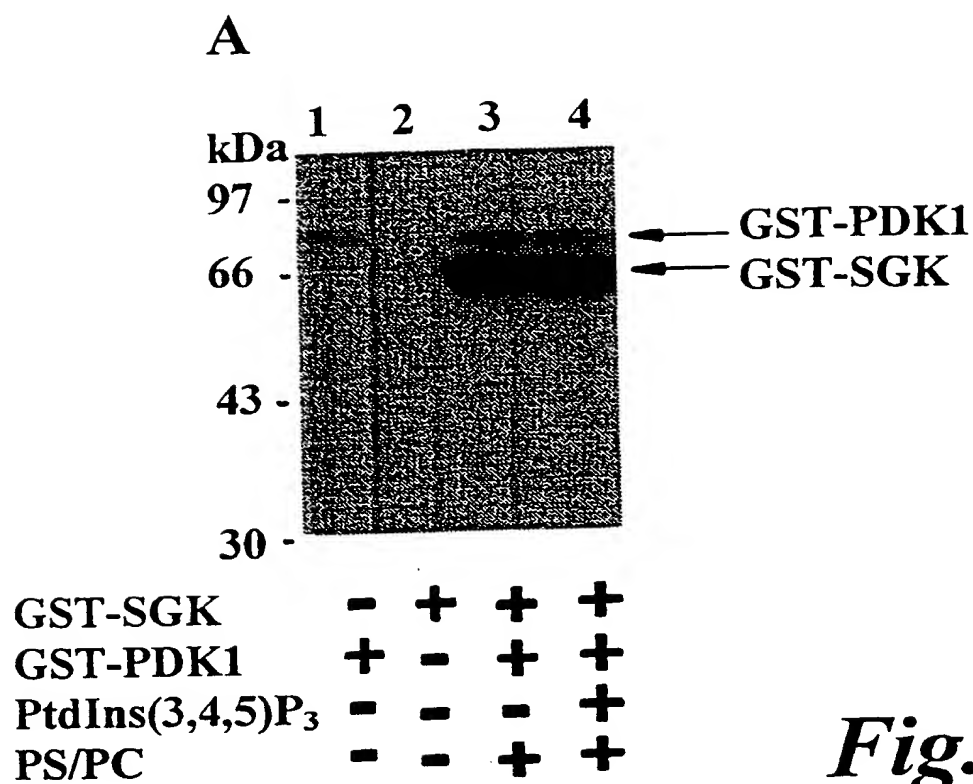


Figure 3

4/20



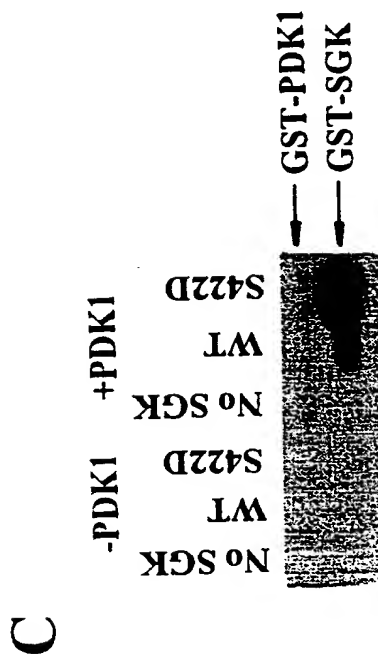
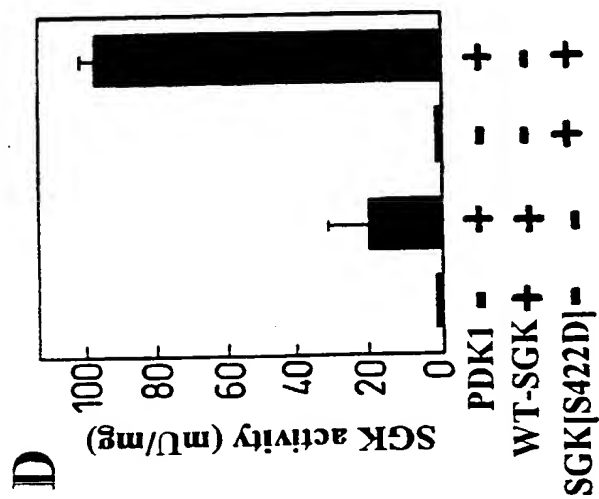
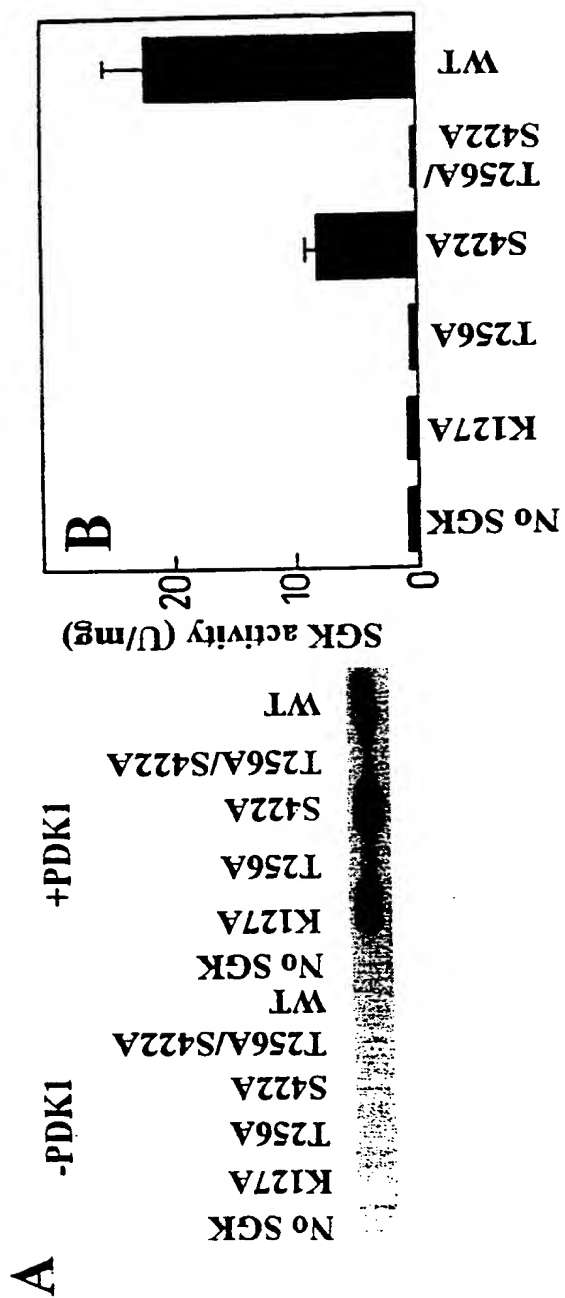


Fig. 5

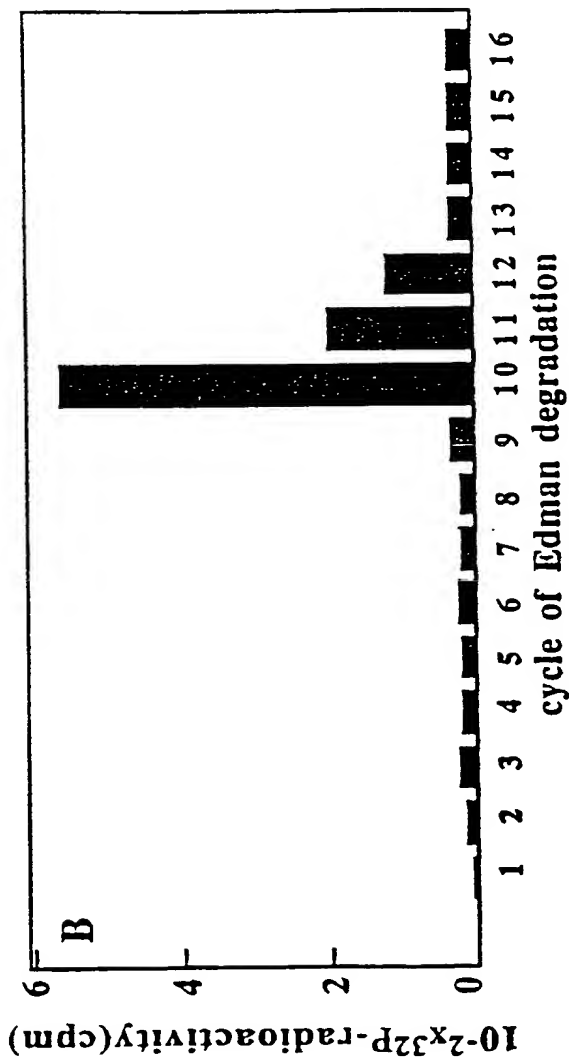
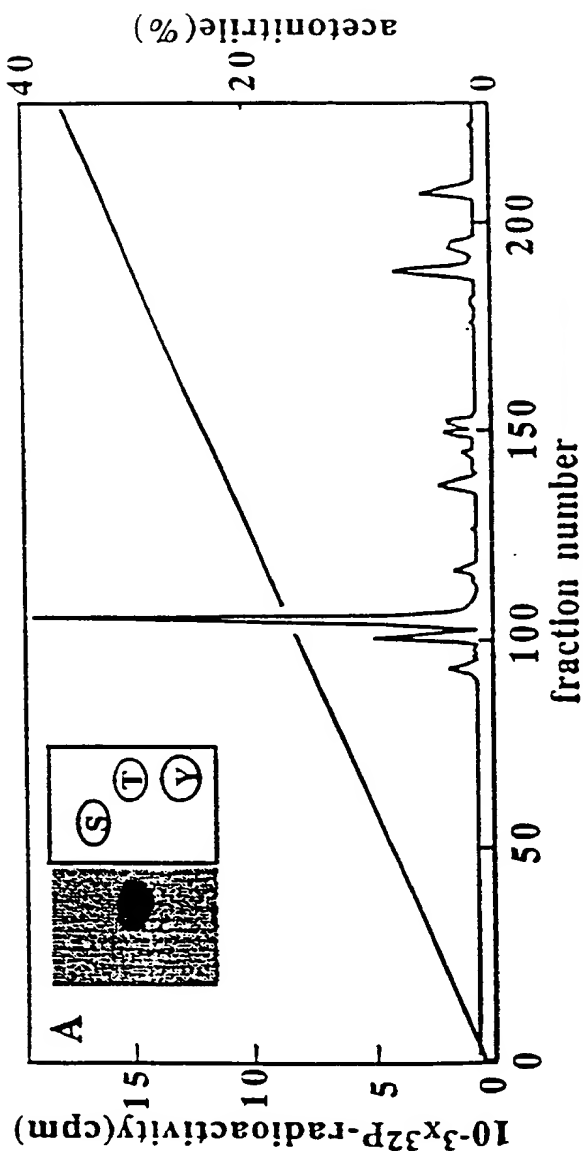


Figure 6

7/20

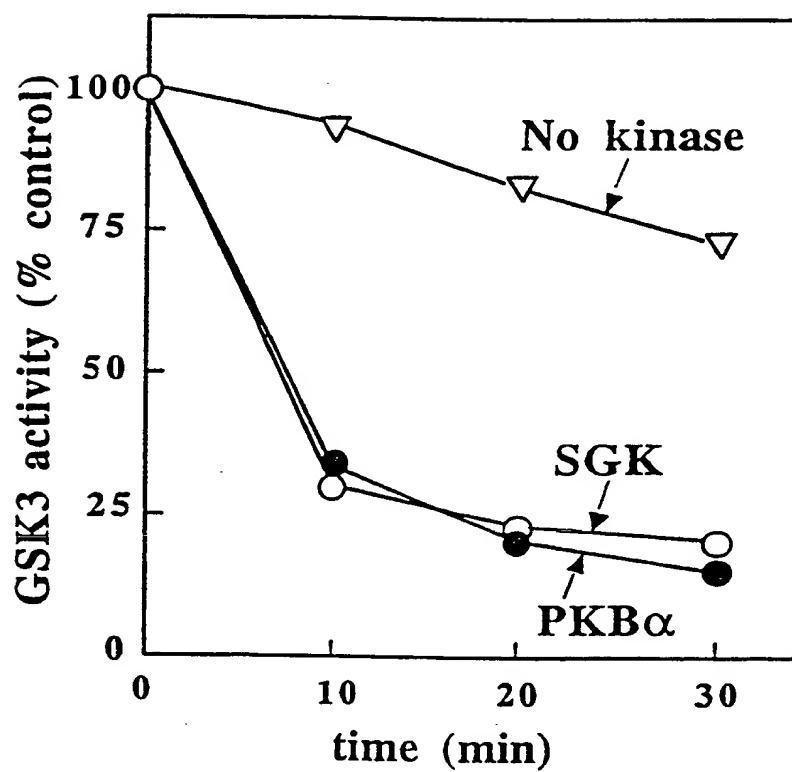


Figure 7

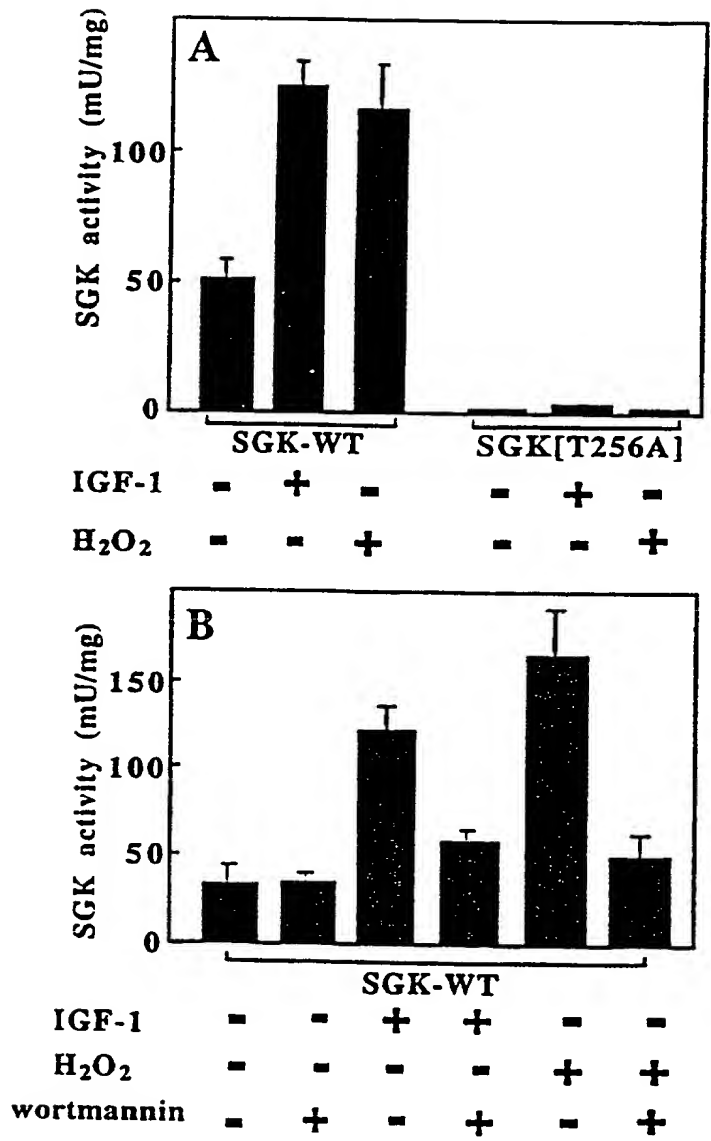


Figure 8

9/20

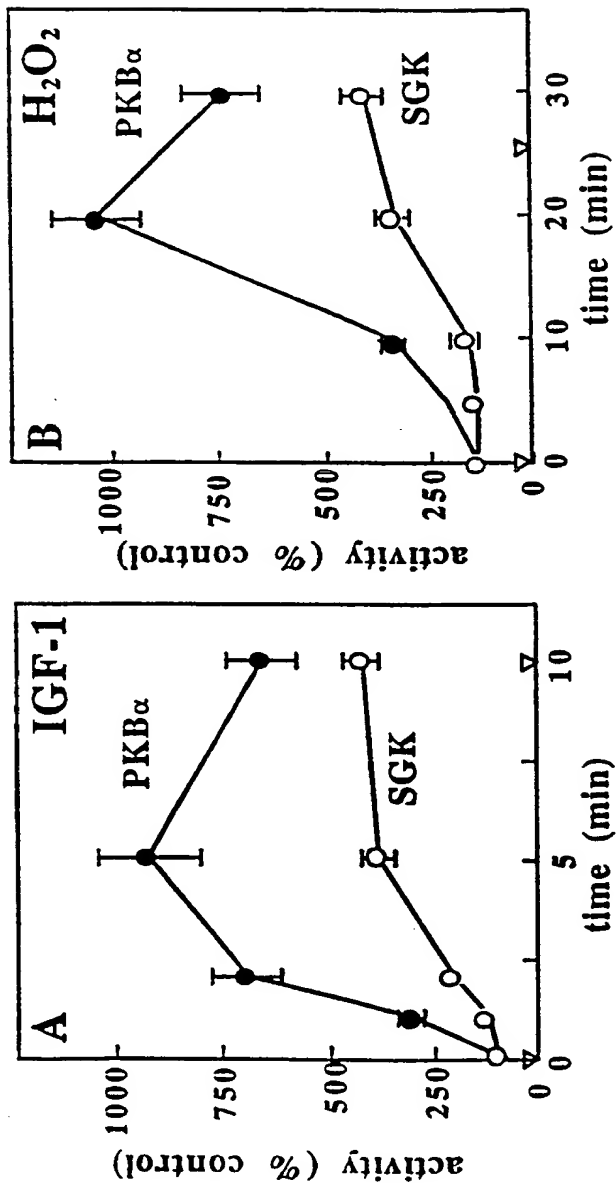


Figure 9

10/20

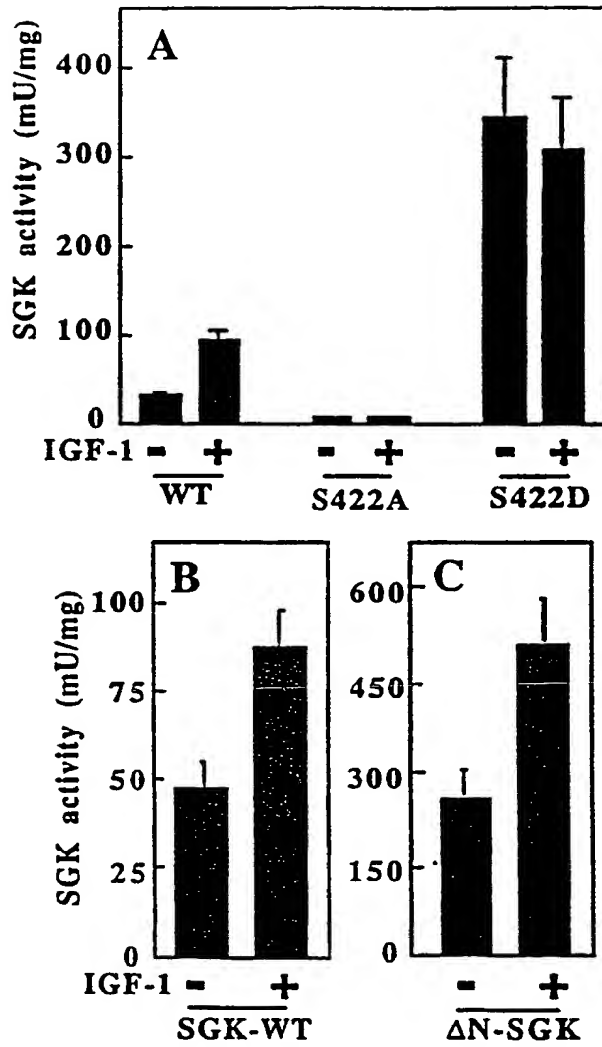


Figure 10

[illegible]

09/868131

Figure 12

	SGK2β				
hSGK1	MTVKTEAAKG	TLTYSRMGM	VAILIAFMKQ	RRMGLNDEIQ	KIANNSYACK
hSGK2	MQGLLTSGRK	PSGGGRCTGR	GGWRGQWCLK	PWMGGAD---	-PPTPTLSCL
mSGK2	-----	-----	-----	-----	-----
hSGK3	MALKIFAARI	FGD-----	-NFDPDFIKQ	RRAGLNEFIQ	NLVRYPELYN
	SGK2α				
hSGK1	HPEVQSILKI	SOQPEPELMN	ANPSPEPSP-	---S-QQINL	GPSSNPFAKP
hSGK2	LLFVPPPELPD	HCYRMNSSPA	GTPSPQPSR-	---ANGNINL	GFSANPNACP
mSGK2	-----	MASSPV	GVPSPOPSR-	---ANGNINL	GFSANPNARP
hSGK3	HPDVRAFLOM	DSPKHQSDPS	EDEDERSSQK	LHSTSONINL	GPSCNPFAKP
hSGK1	SDFEELRVIG	RGSFQKVLLA	RHKAEVFYA	VKVLQKRAIL	KKKEEKHIMS
hSGK2	TDFEELRVIG	KGNYGKVLLA	KRKSDGAFYA	VKVLQKKSIL	KKKEQSHIMA
mSGK2	TDFEELRVIG	KGNYGKVLLA	KRKSDGAFYA	VKVLQKKSIL	KKKEQNHIMA
hSGK3	TDFEELRVIG	RGSFQKVLLA	KRKLDGRFYA	VKVLQKKIVL	NRKEQKHIMA
hSGK1	ERNVLLKNVK	HPFLVGLHFS	FQTADRLYEV	LDYVNGGELE	YHLQRRQFL
hSGK2	ERSVLLKNVR	HPFLVGLRYS	FQTEKLYEV	LDYVNGGELE	FHLQRRRFL
mSGK2	ERNVLLKNVR	HPFLVGLRYS	FQTEKLYEV	LDYVNGGELE	FHLQRRRFL
hSGK3	ERNVLLKNVK	HPFLVGLHYS	FQTEKLYEV	LDYVNGGELE	FHLQRRSFP
hSGK1	EPRAREYAAE	IASAIGYLHS	LNIVYRDLKP	ENILLDSQGH	IVLTDFGLCK
hSGK2	EPRAREYAAE	VASAIGYLHS	LNIIYRDLKP	ENILLDCQGH	VVLTDFGLCK
mSGK2	EPRAREYAAE	VASAIGYLHS	LNIIYRDLKP	ENILLDCQGH	VVLTDFGLCK
hSGK3	EPRAREYAAE	IASAIGYLHS	IKIVYRDLKP	ENILLDSVGH	VVLTDFGLCK
hSGK1	ENIEHNSTTS	TECGTPEYLA	PEVLKQPYD	RIVDWWCLGA	VLYEMLYGLP
hSGK2	ECVEHEHTTS	TECGTPEYLA	PEVLKQPYD	RAVDWWCLGA	VLYEMHGLP
mSGK2	ECVEPEETTS	TECGTPEYLA	PEVLKQPYD	RAVDWWCLGA	VLYEMHGLP
hSGK3	EGIAISDTT	TECGTPEYLA	PEVIRKOPYD	NTVDWWCLGA	VLYEMLYGLP
hSGK1	PFYSRNTAEM	YDNILNKPLO	LKPNTTNSAR	HLLEGILLQKD	RTKRLGAKDD
hSGK2	PFYSQDVQOM	YENILHQPLO	IPGGRTVAAC	DLLOSLILHKD	QRORLGSKAD
mSGK2	PFENTDVAQM	YENILHQPLO	IPGGRTVAAC	DLLOSLILHKD	QRORLGSKED
hSGK3	PFYORDVAEM	YDNILHKPLS	LRFQVSLTAW	SILEELLERD	RQNRLGAKED
hSGK1	FMEIKSHVFF	SLINWDDLIN	KKITPPFNPN	VSGPNELRHF	DPEETEEFVP
hSGK2	FLEIKNHVFF	SEINWDDLX	KRITPPFNPN	VIGPADLKHF	DPEETQEAVS
mSGK2	FLDIKNHFF	SPINWDDLX	KRITPPFNPN	VEGPADLKHF	DPEETQEAVS
hSGK3	FLEIQNHFF	ESLSWADLVQ	KKIPPPFNPN	VAGPDDIRNF	DTAETEEFVP
hSGK1	NSIGKSPDSV	LVTASVKEAA	BAFLGESYAP	PIDSEL--	
hSGK2	KSIGCTPDTV	---ASSSCAS	SAFLGESYAP	BCDDILDC	
mSGK2	KSIGCTPDTV	---ASSSCAS	SAFLGESYAO	BCDDILDS	
hSGK3	YSVCVSSDYS	IVNASVLEAD	DAFVGFSYAP	PSEDLFL-	

Figure 13

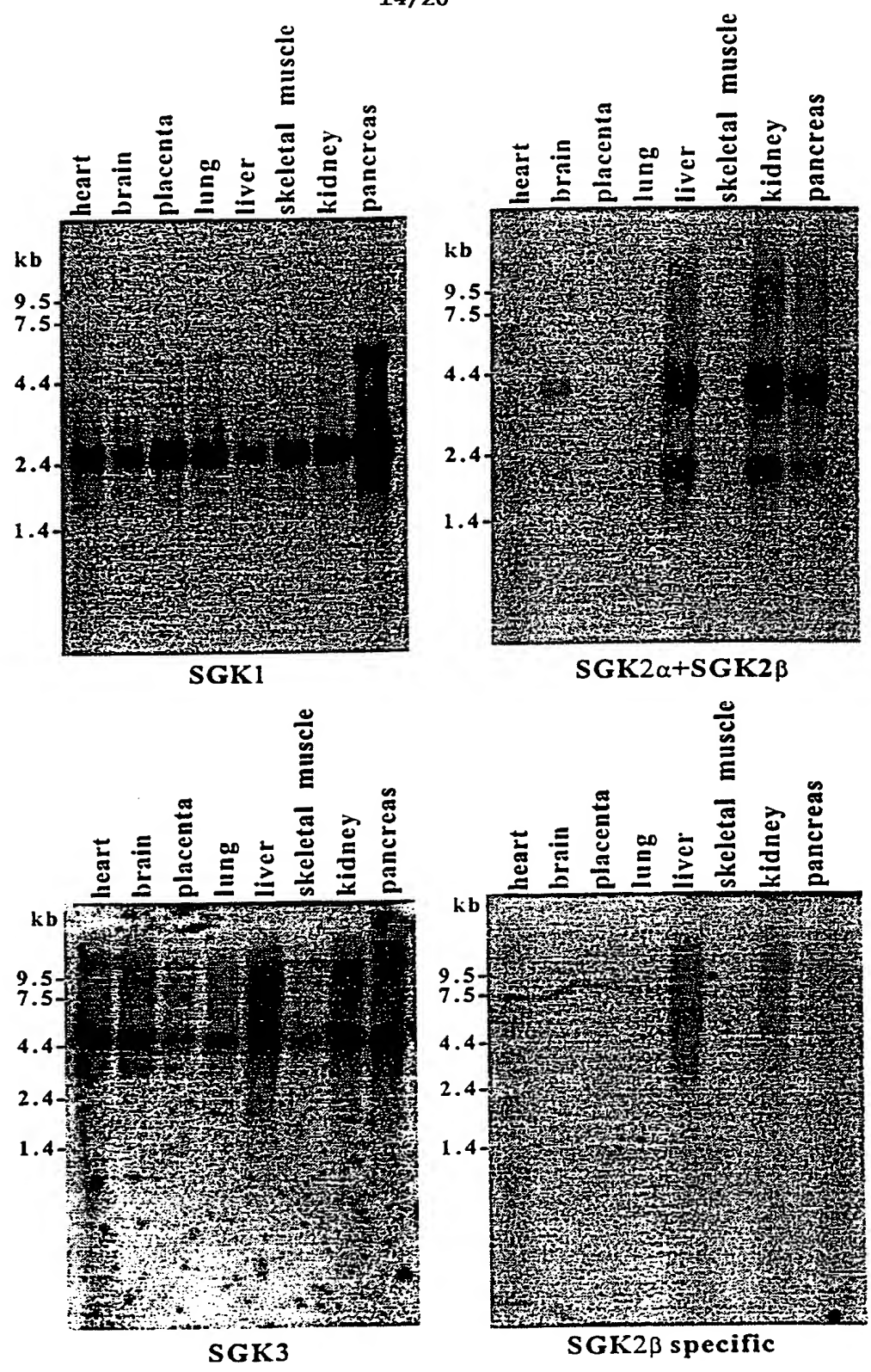


Figure 14

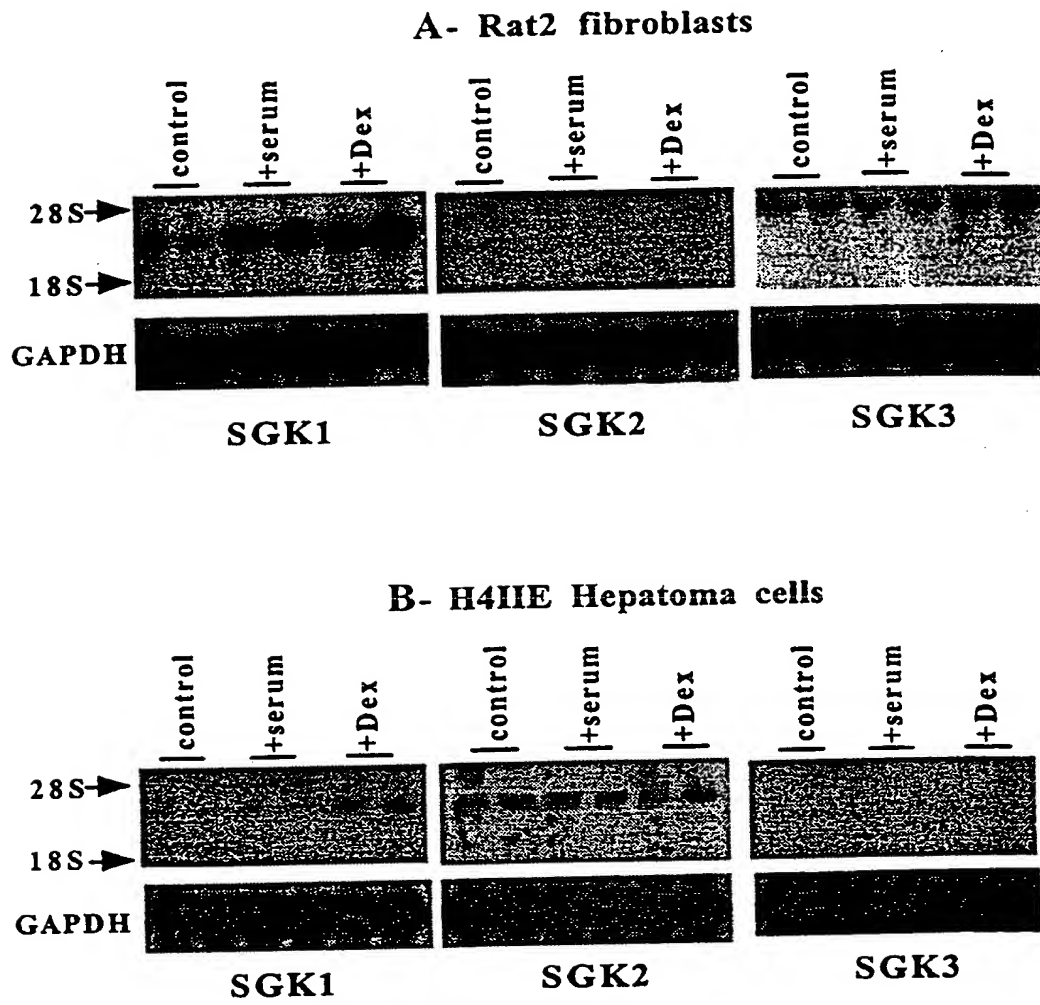


Figure 15

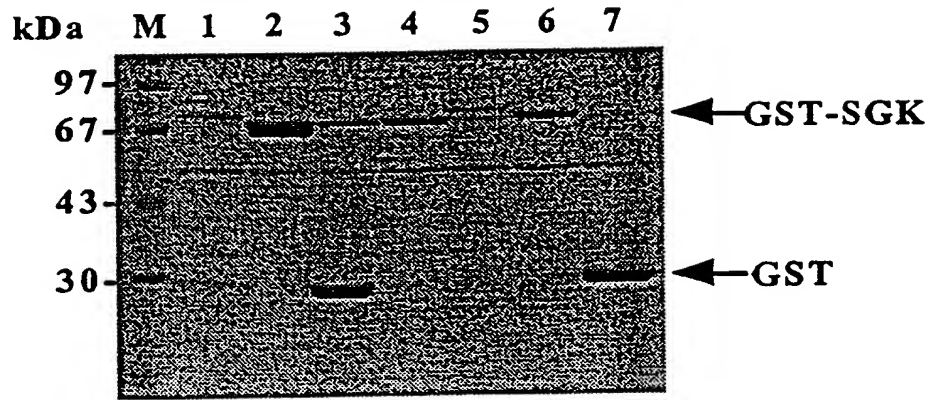


Figure 16

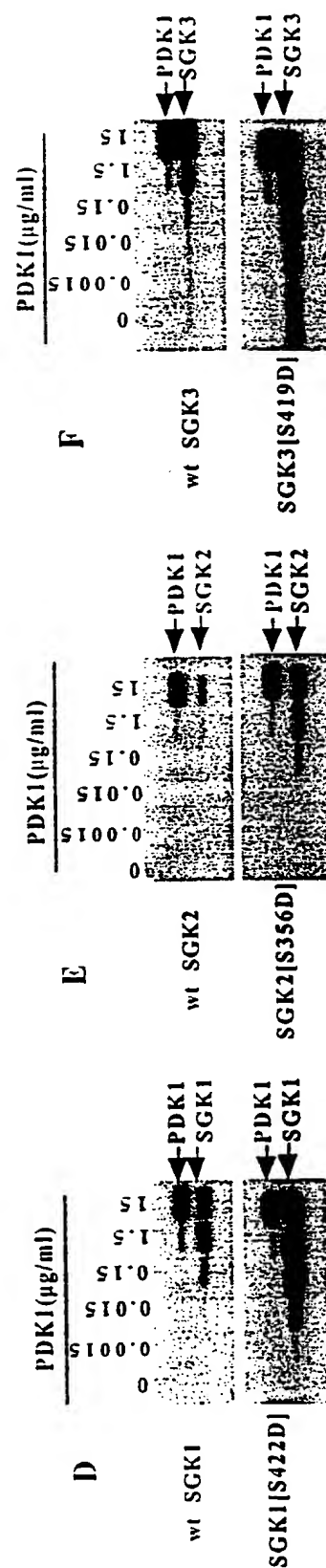
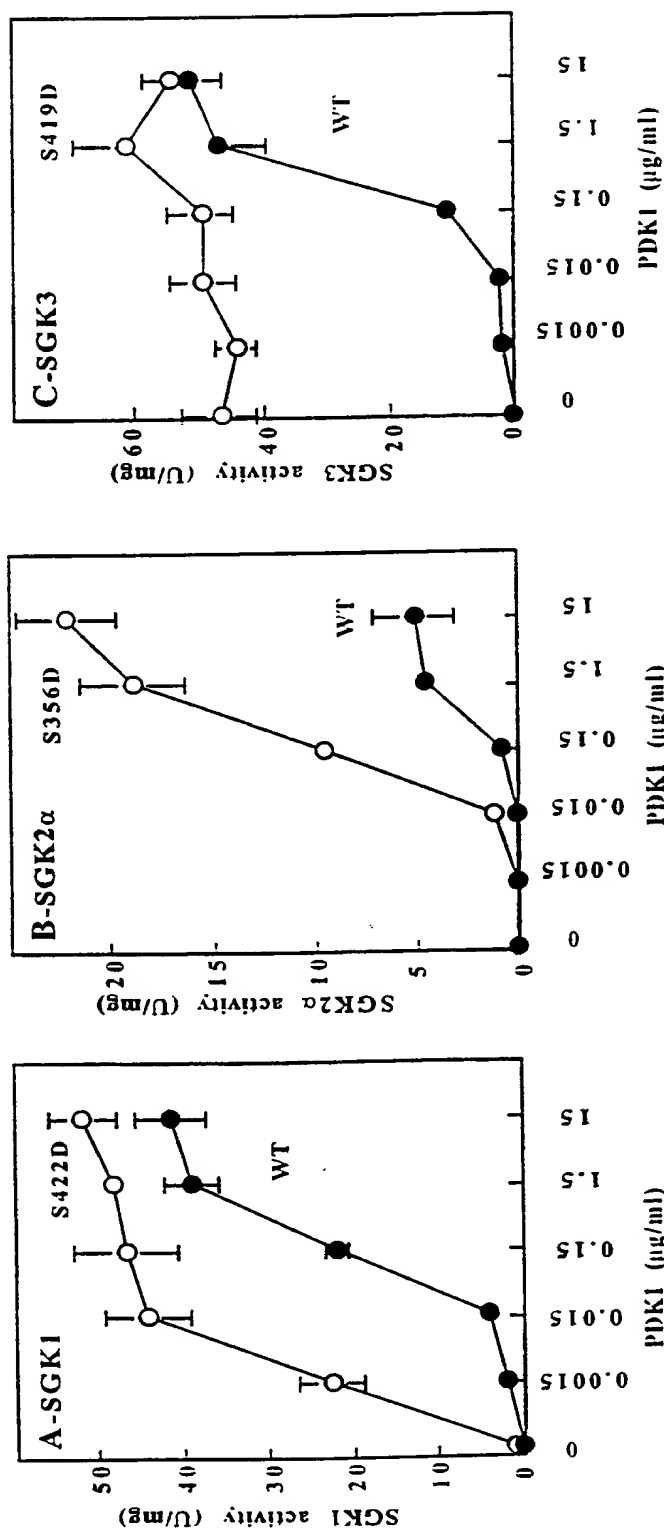


Figure 17

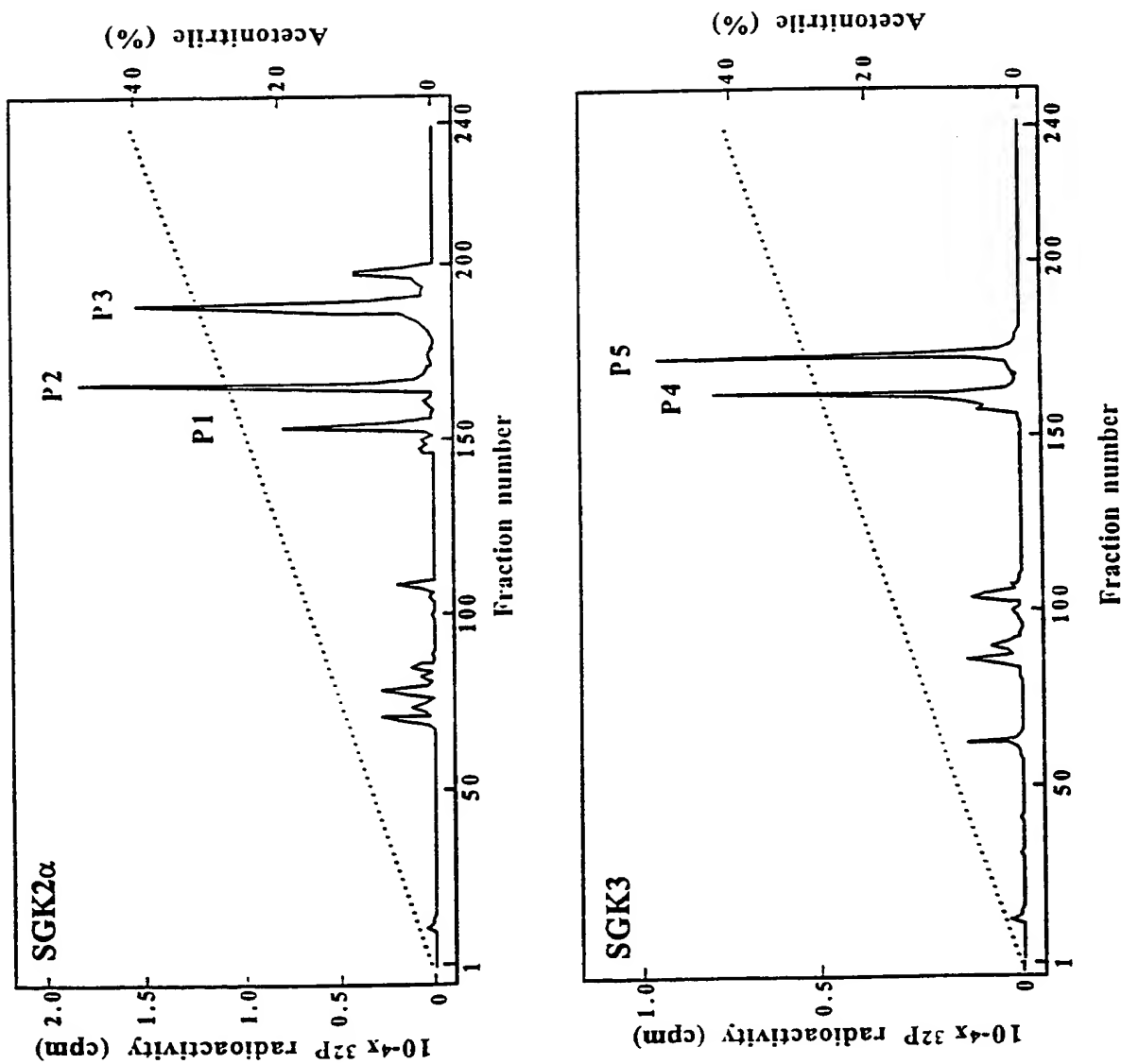


Figure 18

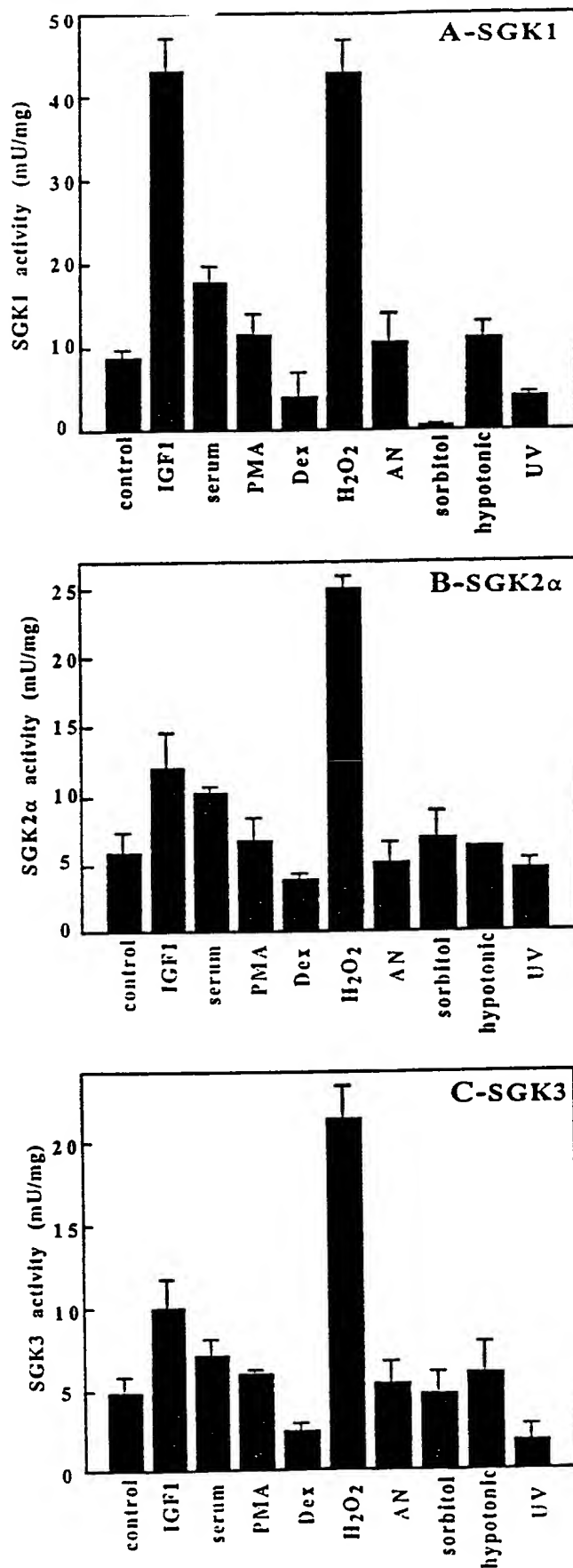


Figure 19

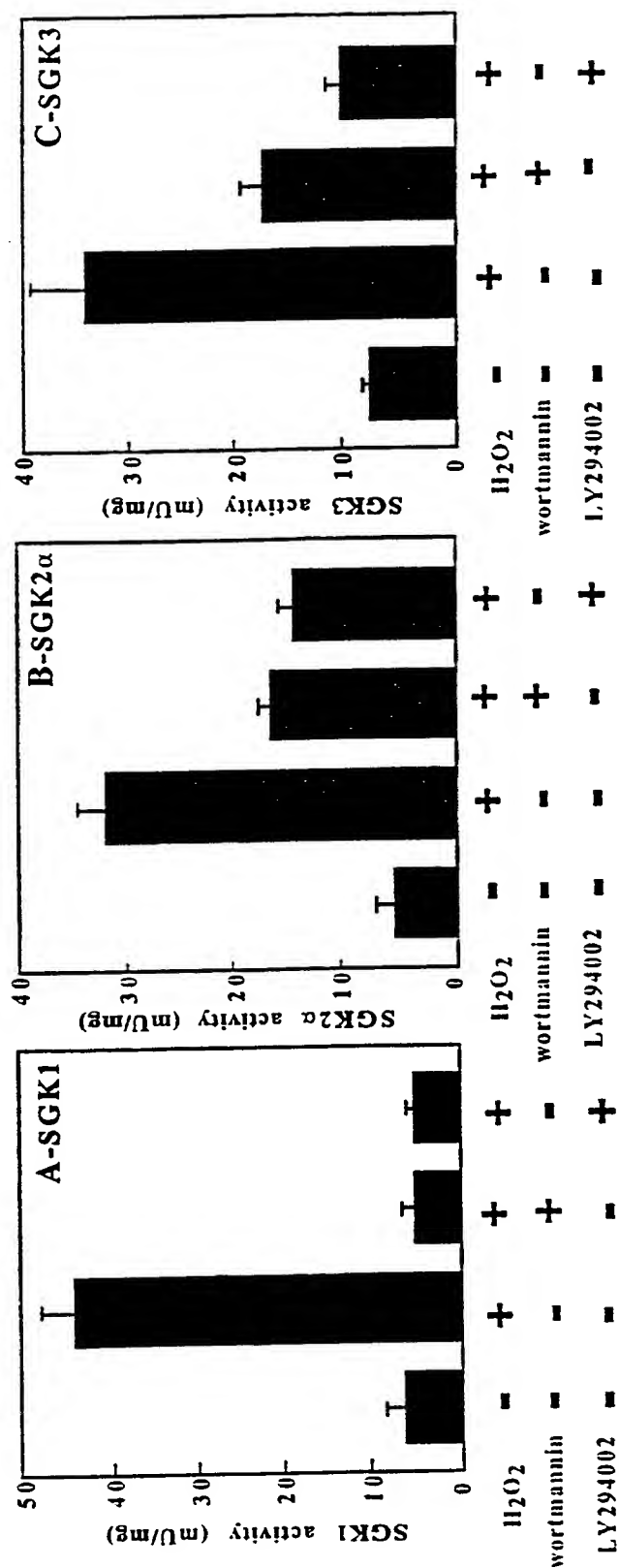


Figure 20